the

PAGE: 1

## RAW SEQUENCE LISTING PATENT APPLICATION US/08/377,316

DATE: 10/13/95 TIME: 16:40:43

INPUT SET: S6614.raw

This Raw Listing contains the General Information Section and up to the first 5 pages.

_	GROUPVOR LIGHTNO
1 2	SEQUENCE LISTING
3	(1) General Information:
4 5 6	(i) APPLICANT: Murgita, Robert A.
7 8 9	(ii) TITLE OF INVENTION: RECOMBINANT HUMAN ALPHATETOPROVERS CELL PROLIFERATIVE AGENT
10 11	(iii) NUMBER OF SEQUENCES: 16
12 13	(iv) CORRESPONDENCE ADDRESS:  (A) ADDRESSEE: Fish & Richardson P.C.
14 15 16 17	<ul><li>(B) STREET: 225 Franklin Street, Suite 3100</li><li>(C) CITY: Boston</li><li>(D) STATE: MA</li><li>(E) COUNTRY: USA</li></ul>
18 19	(F) ZIP: 02110-2804
20 21 22 23 24	<ul> <li>(v) COMPUTER READABLE FORM:</li> <li>(A) MEDIUM TYPE: Floppy disk</li> <li>(B) COMPUTER: IBM PC compatible</li> <li>(C) OPERATING SYSTEM: PC-DOS/MS-DOS</li> <li>(D) SOFTWARE: PatentIn Release #1.0, Version #1.30</li> </ul>
25 26 27 28 29	(vi) CURRENT APPLICATION DATA:  (A) APPLICATION NUMBER: US 08/377,316  (B) FILING DATE: 24-JAN-1995  (C) CLASSIFICATION:
30 31 32 33 34 35	<pre>(viii) ATTORNEY/AGENT INFORMATION:     (A) NAME: Clark, Paul T.     (B) REGISTRATION NUMBER: 30,162     (C) REFERENCE/DOCKET NUMBER: 06727/006001</pre>
36 37 38 39 40	(ix) TELECOMMUNICATION INFORMATION:  (A) TELEPHONE: (617) 542-5070  (B) TELEFAX: (617) 542-8906  (C) TELEX: 200154
41 42 43	(2) INFORMATION FOR SEQ ID NO:1:
44 45 46	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 2022 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>

#### RAW SEQUENCE LISTING PATENT APPLICATION US/08/377,316

DATE: 10/13/95 TIME: 16:40:46

INPUT SET: S6614.raw

(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

ATATTGTGCT	TCCACCACTG	CCAATAACAA	AATAACTAGC	AACCATGAAG	TGGGTGGAAT	60
CAATTTTTTT	AATTTTCCTA	CTAAATTTTA	CTGAATCCAG	AACACTGCAT	AGAAATGAAT	120
ATGGAATAGC	TTCCATATTG	GATTCTTACC	AATGTACTGC	AGAGATAAGT	TTAGCTGACC	180
TGGCTACCAT	ATTTTTTGCC	CAGTTTGTTC	AAGAAGCCAC	TTACAAGGAA	GTAAGCAAAA	240
TGGTGAAAGA	TGCATTGACT	GCAATTGAGA	AACCCACTGG	AGATGAACAG	TCTTCAGGGT	300
GTTTAGAAAA	CCAGCTACCT	GCCTTTCTGG	AAGAACTTTG	CCATGAGAAA	GAAATTTTGG	360
AGAAGTACGG	ACATTCAGAC	TGCTGCAGCC	AAAGTGAAGA	GGGAAGACAT	AACTGTTTTC	420
TTGCACACAA	AAAGCCCACT	GCAGCATGGA	TCCCACTTTT	CCAAGTTCCA	GAACCTGTCA	480
CAAGCTGTGA	AGCATATGAA	GAAGACAGGG	AGACATTCAT	GAACAAATTC	ATTTATGAGA	540
TAGCAAGAAG	GCATCCCTTC	CTGTATGCAC	CTACAATTCT	TCTTTCGGCT	GCTGGGTATG	600
AGAAAATAAT	TCCATCTTGC	TGCAAAGCTG	AAAATGCAGT	TGAATGCTTC	CAAACAAAGG	660
CAGCAACAGT	TACAAAAGAA	TTAAGAGAAA	GCAGCTTGTT	AAATCAACAT	GCATGTCCAG	720
TAATGAAAAA	TTTTGGGACC	CGAACTTTCC	AAGCCATAAC	TGTTACTAAA	CTGAGTCAGA	780
AGTTTACCAA	AGTTAATTTT	ACTGAAATCC	AGAAACTAGT	CCTGGATGTG	GCCCATGTAC	840
ATGAGCACTG	TTGCAGAGCA	GATGTGCTGG	ATTGTCTGCA	GGATGGGGAA	AAAATCATGT	900
CCTACATATG	TTCTCAACAA	GACACTCTGT	CAAACAAAAT	AACAGAATGC	TGCAAACTGA	960
CCACGCTGGA	ACGTGGTCAA	TGTATAATTC	ATGCAGAAAA	TGATGAAAA	CCTGAAGGTC	1020
TATCTCCAAA	TCTAAACAGG	TTTTTAGGAG	ATAGAGATTT	TAACCAATTT	TCTTCAGGGG	1080
AAAAAATAT	CTTCTTGGCA	AGTTTTGTTC	ATGAATATTC	AAGAAGACAT	CCTCAGCTTG	1140
CTGTCTCAGT	AATTCTAAGA	GTTGCTAAAG	GATACCAGGA	GTTATTGGAG	AAGTGTTTCC	1200
AGACTGAAAA	CCCTCTTGAA	TGCCAAGATA	AAGGAGAAGA	AGAATTACAG	AAATACATCC	1260
AGGAGAGCCA	AGCATTGGCA	AAGCGAAGCT	GCGGCCTCTT	CCAGAAACTA	GGAGAATATT	1320

# RAW SEQUENCE LISTING PATENT APPLICATION US/08/377,316

DATE: 10/13/95 TIME: 16:40:50

INPUT SET: S6614.raw

100 101	ACTTACAAAA TGAGTTTCTC GTTGCTTACA CAAAGAAAGC CCCCCAGCTG ACCTCGTCGG	1380
102	ACTINOAAAA TOAGTITOTO GITGOTTACA CAAAGAAAGO CCCCCAGCTO ACCTCGTCGG	1300
103	AGCTGATGGC CATCACCAGA AAAATGGCAG CCACAGCAGC CACTTGTTGC CAACTCAGTG	1440
104		
105	AGGACAAACT ATTGGCCTGT GGCGAGGGAG CGGCTGACAT TATTATCGGA CACTTATGTA	1500
106		
107	TCAGACATGA AATGACTCCA GTAAACCCTG GTGTTGGCCA GTGCTGCACT TCTTCATATG	1560
108		
109	CCAACAGGAG GCCATGCTTC AGCAGCTTGG TGGTGGATGA AACATATGTC CCTCCTGCAT	1620
110 111	TCTCTGATGA CAAGTTCATT TTCCATAAGG ATCTGTGCCA AGCTCAGGGT GTAGCGCTGC	1680
112	TOTOTORIOR CARGITCATT TICCATARGO ATOTOTOCCA AGCICAGGGI GIAGCGCIGC	1000
113	AAAGGATGAA GCAAGAGTTT CTCATTAACC TTGTGAAGCA AAAGCCACAA ATAACAGAGG	1740
114		-,-0
115	AACAACTTGA GGCTCTCATT GCAGATTTCT CAGGCCTGTT GGAGAAATGC TGCCAAGGCC	1800
116		
117	AGGAACAGGA AGTCTGCTTT GCTGAAGAGG GACAAAAACT GATTTCAAAA ACTGGTGCTG	1860
118		
119	CTTTGGGAGT TTAAATTACT TCAGGGGAAG AGAAGACAAA ACGAGTCTTT CATTCGGTGT	1920
120		
121	GAACTTTTCT CTTTAATTTT AACTGATTTA ACACTTTTTG TGAATTAATG ATAAAGACTT	1980
122 123	TTATGTGAGA TTTCCTTATC ACAGAAATAA AATATCTCCA AA	2022
123	TIATGIGAGA TITCCITATC ACAGAAATAA AATATCICCA AA	2022
125	(2) INFORMATION FOR SEO ID NO:2:	
126	(2) Information for SEC 15 No.12.	
	(i) SEQUENCE CHARACTERISTICS:	
127 128	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 590 amino acids	
127	· · · ·	
127 128 129 130	(A) LENGTH: 590 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: Not Relevant	
127 128 129 130 131	(A) LENGTH: 590 amino acids (B) TYPE: amino acid	
127 128 129 130 131 132	(A) LENGTH: 590 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: Not Relevant (D) TOPOLOGY: linear	
127 128 129 130 131 132 133	(A) LENGTH: 590 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: Not Relevant	·
127 128 129 130 131 132 133	(A) LENGTH: 590 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: Not Relevant (D) TOPOLOGY: linear	
127 128 129 130 131 132 133 134	(A) LENGTH: 590 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: Not Relevant (D) TOPOLOGY: linear	
127 128 129 130 131 132 133 134 135	(A) LENGTH: 590 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: Not Relevant (D) TOPOLOGY: linear	·
127 128 129 130 131 132 133 134 135 136	(A) LENGTH: 590 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: Not Relevant (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: protein	
127 128 129 130 131 132 133 134 135	(A) LENGTH: 590 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: Not Relevant (D) TOPOLOGY: linear	
127 128 129 130 131 132 133 134 135 136 137	(A) LENGTH: 590 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: Not Relevant (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: protein  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:	·
127 128 129 130 131 132 133 134 135 136 137 138	(A) LENGTH: 590 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: Not Relevant (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: protein	
127 128 129 130 131 132 133 134 135 136 137 138 139 140 141	(A) LENGTH: 590 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: Not Relevant (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: protein  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:  Thr Leu His Arg Asn Glu Tyr Gly Ile Ala Ser Ile Leu Asp Ser Tyr 1 5 10 15	
127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143	(A) LENGTH: 590 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: Not Relevant (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: protein  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:  Thr Leu His Arg Asn Glu Tyr Gly Ile Ala Ser Ile Leu Asp Ser Tyr 1 5 10 15  Gln Cys Thr Ala Glu Ile Ser Leu Ala Asp Leu Ala Thr Ile Phe Phe	
127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144	(A) LENGTH: 590 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: Not Relevant (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: protein  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:  Thr Leu His Arg Asn Glu Tyr Gly Ile Ala Ser Ile Leu Asp Ser Tyr 1 5 10 15	
127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144	(A) LENGTH: 590 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: Not Relevant (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: protein  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:  Thr Leu His Arg Asn Glu Tyr Gly Ile Ala Ser Ile Leu Asp Ser Tyr 1 5 10 15  Gln Cys Thr Ala Glu Ile Ser Leu Ala Asp Leu Ala Thr Ile Phe Phe 20 25 30	
127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146	(A) LENGTH: 590 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: Not Relevant (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: protein  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:  Thr Leu His Arg Asn Glu Tyr Gly Ile Ala Ser Ile Leu Asp Ser Tyr 1 5 10 15  Gln Cys Thr Ala Glu Ile Ser Leu Ala Asp Leu Ala Thr Ile Phe Phe 20 25 30  Ala Gln Phe Val Gln Glu Ala Thr Tyr Lys Glu Val Ser Lys Met Val	
127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147	(A) LENGTH: 590 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: Not Relevant (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: protein  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:  Thr Leu His Arg Asn Glu Tyr Gly Ile Ala Ser Ile Leu Asp Ser Tyr 1 5 10 15  Gln Cys Thr Ala Glu Ile Ser Leu Ala Asp Leu Ala Thr Ile Phe Phe 20 25 30	
127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148	(A) LENGTH: 590 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: Not Relevant (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: protein  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:  Thr Leu His Arg Asn Glu Tyr Gly Ile Ala Ser Ile Leu Asp Ser Tyr 1 15  Gln Cys Thr Ala Glu Ile Ser Leu Ala Asp Leu Ala Thr Ile Phe Phe 20 25 30  Ala Gln Phe Val Gln Glu Ala Thr Tyr Lys Glu Val Ser Lys Met Val 35 40	
127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149	(A) LENGTH: 590 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: Not Relevant (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: protein  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:  Thr Leu His Arg Asn Glu Tyr Gly Ile Ala Ser Ile Leu Asp Ser Tyr 1 15  Gln Cys Thr Ala Glu Ile Ser Leu Ala Asp Leu Ala Thr Ile Phe Phe 20 25 30  Ala Gln Phe Val Gln Glu Ala Thr Tyr Lys Glu Val Ser Lys Met Val 35  Lys Asp Ala Leu Thr Ala Ile Glu Lys Pro Thr Gly Asp Glu Gln Ser	
127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150	(A) LENGTH: 590 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: Not Relevant (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: protein  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:  Thr Leu His Arg Asn Glu Tyr Gly Ile Ala Ser Ile Leu Asp Ser Tyr 1 15  Gln Cys Thr Ala Glu Ile Ser Leu Ala Asp Leu Ala Thr Ile Phe Phe 20 25 30  Ala Gln Phe Val Gln Glu Ala Thr Tyr Lys Glu Val Ser Lys Met Val 35 40	
127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149	(A) LENGTH: 590 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: Not Relevant (D) TOPOLOGY: linear  (ii) MOLECULE TYPE: protein  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:  Thr Leu His Arg Asn Glu Tyr Gly Ile Ala Ser Ile Leu Asp Ser Tyr 1 15  Gln Cys Thr Ala Glu Ile Ser Leu Ala Asp Leu Ala Thr Ile Phe Phe 20 25 30  Ala Gln Phe Val Gln Glu Ala Thr Tyr Lys Glu Val Ser Lys Met Val 35  Lys Asp Ala Leu Thr Ala Ile Glu Lys Pro Thr Gly Asp Glu Gln Ser	

# RAW SEQUENCE LISTING PATENT APPLICATION US/08/377,316

DATE: 10/13/95 TIME: 16:40:53

INPUT SET: S6614.raw

153	65					70					75		1141	UI S.	LI. S	80
154																
155	His	Glu	Lys	Glu	Ile	Leu	Glu	Lys	Tyr	Gly	His	Ser	Asp	Cys	Cys	Ser
156					85					90					95	
157																
158	Gln	Ser	Glu	Glu	Gly	Arg	His	Asn	Cys	Phe	Leu	Ala	His	Lys	Lys	Pro
159				100					105					110		
160																
161	Thr	Ala	Ala	Trp	Ile	Pro	Leu	Phe	Gln	Val	Pro	Glu	Pro	Val	Thr	Ser
162			115					120					125			
163																
164	Cys	Glu	Ala	Tyr	Glu	Glu	Asp	Arg	Glu	Thr	Phe	Met	Asn	Lys	Phe	Ile
165	_	130		_			135					140				
166																
167	Tyr	Glu	Ile	Ala	Arg	Arg	His	Pro	Phe	Leu	Tyr	Ala	Pro	Thr	Ile	Leu
168	145					150					155					160
169																
170	Leu	Ser	Ala	Ala	Gly	Tyr	Glu	Lys	Ile	Ile	Pro	Ser	Cys	Cys	Lys	Ala
171					165					170					175	
172																
173	Glu	Asn	Ala	Val	Glu	Cys	Phe	Gln	Thr	Lys	Ala	Ala	Thr	Val	Thr	Lys
174				180					185					190		
175												•				
176	Glu	Leu	Arg	Glu	Ser	Ser	Leu		Asn	Gln	His	Ala	Cys	Pro	Val	Met
177			195					200					205			
178										_	_		_	_		
179	Lys		Phe	Gly	Thr	Arg		Phe	Gln	Ala	Ile		Val	Thr	Lys	Leu
180		210					215				•	220				
181		_		_			_		_					_	_	1
182		Gln	Lys	Phe	Thr		Val	Asn	Phe	Thr		ITe	Gln	Lys	Leu	
183	225					230					235					240
184		_	<b>-</b>				1		•	_	_	_		_		_0:
185	Leu	Asp	Val	Ala		val	His	GIU	HIS	-	cys	Arg	Ala	Asp		Leu
186					245					250					255	
187		<b>~</b>	T	<b>~</b> 1	<b>3</b>	a1	<b>a</b> 1	T	<b>-1</b> -	14a.L	<b></b>	M	T1.	<b>a</b>	000	<b>71</b> m
188	Asp	Cys	Leu		Asp	GLY	GIU	гÀг		мес	ser	Tyr	Ile	_	ser	GIN
189				260					265					270		
190	<b>41</b> m	3 am	mb	T 011	Co. =	N a m	T	т1 о	mh×	<b>61.</b> 1	Crrc	Cura	Lys	LON	πb.~	mbx
191	GIN	ASP		rea	ser	ASII	гуѕ	280	IIII	GIU	Cys	Cys	285	ьец	1111	1111
192 193			275					200					203			
	T 011	<i>α</i> 1	λra	al v	al n	Circ	Tla	т1	uie	λla	Glu.	Aen	Asp	Glu	T.ve	Dro
194 195	rea	290	ALG	СТУ	GIII	Cys	295	116	1112	ATG	GIU	300	АЗР	GIU	пур	FIO
196		200					2 ) 3					300				
197	Glu	al v	Τ.Δ11	Ser	Pro	Δen	T.011	Δen	Δra	Phe	T.eu	Glv	Asp	Δra	Asn	Phe
198	305	G±y	Leu	267	110	310	#G.G	พอแ	A		315	~ <u>~</u> y	P	y	P	320
199	505															J = V
200	Asn	Gln	Phe	Ser	Ser	Glv	G] 11	Lvs	Asn	IJe	Phe	Leu	Ala	Ser	Phe	Val
201	~~!!		10		325	1		~,5		330					335	,
202																
203	His	Glu	Tvr	Ser	Ara	Ara	His	Pro	Gln	Leu	Ala	Va1	Ser	Val	Ile	Leu
204			- 1 -	340	5	3			345					350		
205																

258

## RAW SEQUENCE LISTING PATENT APPLICATION US/08/377,316

DATE: 10/13/95 TIME: 16:40:57

		,												IN	PUT S	ET: S	6614.raw
206		Ara	Val	Ala	Lvs	Glv	Tvr	Gln	Glu	Leu	Leu	Glu	Lvs			Gln	
207				355		-	- 3		360				-3	365			
208																	
209		Glu	Asn	Pro	Leu	Glu	Cvs	Gln	Asp	ī.vs	Glv	Glu	Glu	Glu	Leu	Gln	I.vs
210			370				-1-	375		-1-	1		380			<b></b>	-1-
211																	
212		таг	т1ь	G] n	Glu	Ser	Gln	λla	T. <b>2</b> 11	Δla	T.ve	Ara	Ser	Cve	Glv	Leu	Dhe
213		385	116	GIII	GIU	DGI	390	AIG	ьсц	ALG	nys	395	Der	cys	OLY	Leu	400
214		303					370					393					400
214		al n	T vvc	T 011	a1	<i>α</i> 1	П	Marra	LON	Cln	» «»	G111	Bhò	LON	นวา	Ala	TT
216		GIII	пуз	Leu	GLY	405	ıyı	ıyı	Leu	GIII	410	GIU	FIIC	цец	Val	415	I y I
217						403					410					413	
217		mb ~	T	T	A 1 a	Dro	al n	T 011	mb r	Sor	807	<b>61</b> 11	T 011	Wat	λla	Ile	mb x
		1111	гуз	Lys		PIU	GIII	Leu	1111	425	ser	GIU	неп	Mec	430	TTE	1111
219					420					425					430		
220		3	T	Wat	310	310	Шb »	310	210	шь ~	a	a	<b>a</b> 1 n	T 011	C	<b>a</b> 1	Acm
221		Arg	гàг		ATA	Ата	Thr	ATA		Thr	cys	Cys	GIN		ser	Glu	Asp
222				435					440					445			
223		T	T	T	.1.	a	<b>a</b> 1	<b>01</b>	a1		.1.	3	T1.	T1.	T1.	<b>a</b> 1	77.1 m
224		гÀг		Leu	Ата	cys	GTÅ		GTÅ	АТа	ата	ASP		тте	тте	Gly	HIS
225			450					455					460				
226			<b></b>	-1-	•		<b>a</b> 1		m1	<b>n</b>			<b>5</b>	<b>a</b> 1		<b>a1</b>	<b>a1</b>
227				тте	arg	HIS		мет	Thr	Pro	vaı		Pro	GTÅ	vaı	Gly	
228		465					470					475					480
229		_	_	1	_	_	_		_	_	_	_	_	_,	_	_	_
230		cys	cys	Thr	Ser		Tyr	АТа	Asn	arg	_	Pro	Cys	Phe	Ser	Ser	Leu
231						485					490					495	
232				_			_		_	_		-1	~	_	_	_	-1
233		vaı	vaı	Asp		Thr	Tyr	vaı	Pro		АТА	Pne	ser	Asp	_	Lys	Phe
234					500					505					510		
235				•	_	_	_	_							_		_
236		Ile	Phe		Lys	Asp	Leu	cys		АТа	GIN	GTÀ	Val		Leu	Gln	Arg
237				515		•			520					525			
238			_			_,	_		_	_		_		_	_		
239		Met		GIN	GIu	Phe	Leu		Asn	Leu	Val	Lys		Lys	Pro	Gln	Ile
240			530					535					540				
241		_,				_			_				-1			_	_
242			GLu	GIU	GIn	Leu		Ala	Leu	ITe	Ala	_	Pne	ser	СŢУ	Leu	
243		545					550					555					560
244			_		_								_				
245		Glu	Lys	Cys	Cys		Gly	Gln	Glu	Gln		Val	Cys	Phe	Ala	Glu	Glu
246						565					570					575	
247						_									_		
248		Gly	G1n	Lys		Ile	Ser	Lys	Thr	_	Ala	Ala	Leu	Gly			
249					580					585					590		
250																	
251,	(2)	INFO	RMAT:	ION I	FOR S	SEQ ]	D NO	):3:									
	252 253 (i) SEQUENCE CHARACTERISTICS: 254 (A) LENGTH: 197 amino acids																
255						amino											
256						EDNES			Relev	ant							
257			(D)	TOI	POLO	3Y: ]	linea	ar									
250																	